

SHPCR, 5SHPCR Suggested Specification & Configuration

SHPCR, 5SHPCR

The ceiling diffuser shall be Krueger model SHPCR (steel) or 5SHPCR (aluminum) louver face with adjustable pattern controllers for horizontal or vertical discharge airflow. The pattern controllers shall be accessible from the face. These diffusers shall have a round neck of the sizes and frame styles shown on the drawing or job schedule. The diffuser shall have an easily removable core with fixed blades in 1, 2, 3, or 4-way configurations.

PERFORMANCE

The manufacturer shall provide published performance data for the diffuser. Performance data shall include 2 - 7 octave band sound power levels. The diffuser shall be tested in accordance to the data standards at the time of product introduction or ANSI/ASHRAE Standard 70.

FINISH

The paint finish shall be #44 British White and be an anodic acrylic paint, baked at 315° for 30 minutes. The paint thickness shall be 0.8 - 1.0 mils, gloss at 60° per ASTM D523-89 of 50 - 85%, pencil hardness per ASTM D3363-92A of HB - H, crosshatch adhesion per ASTM D3359-83 of 4B - 5B, impact per ASTM D2794-93 of direct impact >100 in/lb and reverse impact >80 in/lb, salt spray per ASTM B117-9048 of 96 hours, humidity per ASTM D2247-92 of >500 hours and water soak per ASTM D870-92 of 250 hours.

1. SERIES: (XXXXXX)

SHPCR - Round Inlet with Pattern Controllers,
Steel Ceiling Diffuser

5SHPCR - Round Inlet with Pattern Controllers,
Aluminum Ceiling Diffuser

2. PATTERN: (XX)

01 - 1-Way

02 - 2-Way

03 - 3-Way

04 - 4-Way

3. ROUND INLET: (XX)

6" - 16" in 2" Increments

4. SQUARE NECK: (XX)

If Round Inlet =

6 - Select 6", 9", 12", 15", or 18"

8 - Select 9", 12", 15", or 18"

10 - Select 12", 15", or 18"

12 - Select 12", 15", or 18"

14 - Select 15" or 18"

16 - Select 18"

5. FRAME: (XXX) *

F21 - Surface Mount, Beveled

F22 - Surface Mount, Flat

F23 - Lay-in T-Bar

F24 - Snap-in T-Bar

F27 - Spline

F98 - 5/16" Step Down

6. PANEL: (XX)x(XX) **

None

12"x12"

24"x24"

7. DAMPER: (XX)

00 - None 03 - PR10

04 - PRD10 06 - PR12

08 - PRN100

8. ACCESSORIES: (XX)

00 - None

6 - R6 Insulation

R - Round Straightening Grid

9. FINISH: (XX)

01 - Mill

10 - Alumican

35 - Black

44 - British White

* If Frame 23, 24, 27, or 98 are specified, specify panel size.

** Reference page B1-89 for panel and neck size availability.
Specify Panel 'None' if Frame 21 or 22 has been selected.

SAMPLE CONFIGURATION: SHPCR - 04 - 08 - 12 - F22 - NONE - 08 - 00 - 44